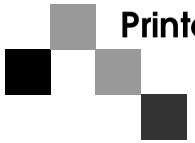
Printer/Scanner Unit Type 1515

Operating Instructions
Printer Reference 2

1 Setting Up the Printer Driver and Canceling a Print Job
2 Troubleshooting
3 Printer Features
4 Appendix

Read this manual carefully before you use this product and keep it handy for future reference. For safe and correct use, please be sure to read the Safety Information in the "Copy Reference" before using the machine.



Printer/Scanner Unit Type 1515 Operating Instructions Printer Reference 2

EN (USA) B683-8627

Introduction

This manual describes detailed instructions on the operation and notes about the use of this machine. To get maximum versatility from this machine all operators are requested to read this manual carefully and follow the instructions. Please keep this manual in a handy place near the machine.

Important

Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

Caution:

Use of controls or adjustments or performance of procedures other than those specified in this manual might result in hazardous radiation exposure.

Two kinds of size notation are employed in this manual. With this machine refer to the inch version.

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- The product name of Windows® 95 is Microsoft®Windows® 95
- The product name of Windows® 98 is Microsoft®Windows® 98
- The product name of Windows® Me is Microsoft®Windows®Millennium Edition (Windows Me)
- The product names of Windows® 2000 are as follows:
  Microsoft® Windows® 2000 Advanced Server
  Microsoft® Windows® 2000 Server
  Microsoft® Windows® 2000 Professional
- The product names of Windows® XP are as follows:
  Microsoft®Windows® XP Professional
  Microsoft®Windows® XP Home Edition
- The product names of Windows Server™ 2003 are as follows:
  Microsoft® Windows Server™ 2003 Standard Edition
  Microsoft® Windows Server™ 2003 Enterprise Edition
  Microsoft® Windows Server™ 2003 Web Edition
- The product names of Windows® NT are as follows:
  Microsoft® Windows NT® Server 4.0
  Microsoft® Windows NT® Workstation 4.0
  Microsoft® Windows NT® Workstation operating system Version 4.0

Notes:

Some illustrations in this manual might be slightly different from the machine.

Certain options might not be available in some countries. For details, please contact your local dealer.

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Manuals for This Machine

The following manuals describe the operational procedures of this machine. For particular functions, see the relevant parts of the manual.

Note

❒ Manuals provided are specific to machine type.

❒ Adobe Acrobat Reader is necessary to view the manuals as a PDF file.

❒ Two CD-ROMs are provided:

- CD-ROM 1"Operating Instructions for Printer/Scanner"
- CD-ROM 2"Scanner Driver & Document Management Utilities"

❖ **General Settings Guide**

Provides an overview of the machine and describes System Settings (paper trays, Key Operator Tools, etc.), and troubleshooting.
Refer to this manual for Address Book procedures such as registering fax numbers, e-mail addresses, and user codes.

❖ **Network Guide (PDF file - CD-ROM1)**

Describes procedures for configuring the machine and computers in a network environment.

❖ **Copy Reference**

Describes operations, functions, and troubleshooting for the machine's copier function.

❖ **Facsimile Reference <Basic Features>**

Describes operations, functions, and troubleshooting for the machine's facsimile function.

❖ **Facsimile Reference <Advanced Features>**

Describes advanced functions and settings for key operators.

❖ **Printer Reference 1**

Describes system settings and operations for the machine's printer function.

❖ **Printer Reference 2 (PDF file - CD-ROM1) (this manual)**

Describes operations, functions, and troubleshooting for the machine's printer function.

❖ **Scanner Reference (PDF file - CD-ROM1)**

Describes operations, functions, and troubleshooting for the machine's scanner function.

❖ Manuals for DeskTopBinder V2 Lite

DeskTopBinder V2 Lite is a utility included on the CD-ROM labeled "Scanner Driver & Document Management Utilities".

- DeskTopBinder V2 Lite Setup Guide (PDF file - CD-ROM2)
  Describes installation of, and the operating environment for DeskTop-Binder V2 Lite in detail. This guide can be displayed from the **[Setup]** dialog box when DeskTopBinder V2 Lite is installed.
- DeskTopBinder V2 Introduction Guide (PDF file - CD-ROM2)
  Describes operations of DeskTopBinder V2 Lite and provides an overview of its functions. This guide is added to the **[Start]** menu when DeskTop-Binder V2 Lite is installed.
- Auto Document Link Guide (PDF file - CD-ROM2)
  Describes operations and functions of Auto Document Link installed with DeskTopBinder V2 Lite. This guide is added to the **[Start]** menu when DeskTopBinder V2 Lite is installed.

❖ Manuals for ScanRouter V2 Lite

ScanRouter V2 Lite is a utility included on the CD-ROM labeled "Scanner Driver & Document Management Utilities".

- ScanRouter V2 Lite Setup Guide (PDF file - CD-ROM2)
  Describes installation of, settings, and the operating environment for Scan-Router V2 Lite in detail. This guide can be displayed from the **[Setup]** dialog box when ScanRouter V2 Lite is installed.
- ScanRouter V2 Lite Management Guide (PDF file - CD-ROM2)
  Describes delivery server management and operations, and provides an overview of ScanRouter V2 Lite functions. This guide is added to the **[Start]** menu when ScanRouter V2 Lite is installed.

❖ Other manuals

- PostScript 3 Supplement (PDF file - CD-ROM1)
- UNIX Supplement (available from an authorized dealer, or as a PDF file on our Web site)

TABLE OF CONTENTS

Manuals for This Machine ..... **i**
How to Read This Manual **1**

1. Setting Up the Printer Driver and Canceling a Print Job

Accessing Printer Properties **3**
Windows 95/98/Me - Accessing Printer Properties 3
Windows 2000/XP and Windows Server 2003 - Accessing Printer Properties 4
Windows NT 4.0 - Accessing Printer Properties 5
Macintosh - Setting Up for Printing 7
Canceling a Print Job **8**
Windows - Canceling a Print Job 8
Macintosh - Canceling a Print Job 9

2. Troubleshooting

Error & Status Messages on the Display **11**
The Machine Does Not Print **15**
Other Printing Problems **19**

3. Printer Features

Printer Features Menu **23**
Adjusting Printer Features **25**
Printer Features Parameters **26**
Paper Input 26
List/Test Print 26
Maintenance 29
System 31
Host Interface 33
PCL Menu 33
PS Menu 35

4. Appendix

Collate **37**
User Defined Pages **38**
System Settings (Parallel Connection) **39**
Specifications **40**
Options 41

INDEX **43**

How to Read This Manual

Symbols

In this manual, the following symbols are used:

⚠ ***WARNING:***
This symbol indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

⚠ ***CAUTION:***
This symbol indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury, or damage to property.

* The statements above are notes for your safety.

Important
If this instruction is not followed, paper might misfeed, originals might be damaged, or data might be lost. Be sure to read this.

Preparation
This symbol indicates prior knowledge or preparation is required before operation.

Note
This symbol indicates precautions for operation, or actions to take after mal-operation.

Limitation
This symbol indicates numerical limits, functions that cannot be used together, or conditions in which a particular function cannot be used.

Reference
This symbol indicates a reference.

[ ]
Keys and buttons that appear on the computer's display.

[ ]
Keys that appear on the machine's display.

【 】
Keys built into the machine's control panel.

【 】
Keys on the computer's keyboard.

Major Components and Software

Major options of this machine are referred to as follows in this manual:

- IEEE 1394 Interface Board Type B→ IEEE 1394 interface board
- IEEE 802.11b Interface Unit Type D→ IEEE 802.11b interface unit
- IEEE 1284 Interface Board Type A→ IEEE 1284 interface board
- BlueTooth Unit Type 2238→ Bluetooth interface unit

The following software products are referred to using a general name:

- DeskTopBinder V2 Lite and DeskTopBinder V2 professional→ DeskTop-Binder V2 Lite/professional
- ScanRouter V2 Lite and ScanRouter V2 professional (optional)→ ScanRouter V2 Lite/professional

1. Setting Up the Printer Driver and Canceling a Print Job

Accessing Printer Properties

Windows 95/98/Me - Accessing Printer Properties

Changing default settings

1. **On the [Start] menu, point to [Settings], and then click [Printers].**

   The **[Printers]** window appears.

2. **Click the icon of the machine whose default you want to change.**

3. **On the [File] menu, click [Properties].**

   The printer properties dialog box appears.

4. **Make the settings you require, and then click [OK].**

   Note

   ❒ With some applications, printer driver settings are not used, and the application's own settings are applied.

Making settings from an application

To make settings for a specific application, open the printer properties dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows 95/98/Me.

Note

❒ Actual procedures for opening the printer properties dialog box may vary depending on the application. For more information, see the operating instructions that come with the application you are using.

❒ Any setting you make in the following procedure is valid for the current application only:

1. **On the [File] menu, click [Print].**

   The **[Print]** dialog box appears.

2. **In the [Name] list, select the machine you want to use, and then click [Properties].**

   The printer properties dialog box appears.

3. **Make the settings you require, and then click [OK].**

4. **Click [OK] to start printing.**

Windows 2000/XP and Windows Server 2003 - Accessing Printer Properties

Changing default settings - Printer properties

Limitation

❒ Changing machine settings requires Manage Printers permission. Members of Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

1 **On the [Start] menu, point to [Settings], and then click [Printers].**

The **[Printers]** window appears.

Note

❒ In Windows XP Professional and Windows Server 2003, open the **[Printers and Faxes]** window on the **[Start]** menu.

❒ In Windows XP Home Edition, open the **[Printers and Faxes]** window by clicking **[Control Panel]** from the **[Start]** button on the taskbar, click **[Printers and Other Hardware]**, and then click **[Printers and Faxes]**.

2 **Click the icon of the machine whose default you want to change.**

3 **On the [File] menu, click [Properties].**

The printer properties dialog box appears.

4 **Make the settings you require, and then click [OK].**

Note

❒ Normally you do not have to change the "Form to Tray Assignment" settings on the **[Device Settings]** tab in the PostScript 3 printer driver.

❒ Settings you make here are used as default for all applications.

Changing default settings - Printing preferences properties

Limitation

❒ Changing machine settings requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

1 **On the [Start] menu, point to [Settings], and then click [Printers].**

The **[Printers]** window appears.

Note

❒ In Windows XP Professional and Windows Server 2003, open the **[Printers and Faxes]** window on the **[Start]** menu.

❒ In Windows XP Home Edition, open the **[Printers and Faxes]** window by clicking **[Control Panel]** from the **[Start]** button on the taskbar, click **[Printers and Other Hardware]**, and then click **[Printers and Faxes]**.

2 **Click the icon of the machine whose default you want to change.**

3 **On the [File] menu, click [Printing Preferences...].**

The **[Printing Preferences]** dialog box appears.

4 **Make the settings you require, and then click [OK].**

Note

❒ Settings you make here are used as default for all applications.

Making settings from an application

To make settings for a specific application, open the **[Print]** dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows 2000/XP and Windows Server 2003.

Note

❒ Actual procedures for opening the **[Print]** dialog box vary depending on the application. For more information, see the operating instructions that come with the application you are using.

❒ Any setting you make in the following procedure is valid for the current application only.

1 **On the [File] menu, click [Print...].**

The **[Print]** dialog box appears.

2 **In the [Select Printer] list, select the machine you want to use, and then click the tab for which you want to change print settings.**

Note

❒ In Windows XP and Windows Server 2003, click **[Preference]** to open the Printing Preferences dialog box.

3 **Make the settings you require.**

4 **Click [Print] to start printing.**

Under Windows XP and Windows Server 2003, click **[OK]**, and then click **[Print]** to start printing.

Windows NT 4.0 - Accessing Printer Properties

Changing default settings - Printer properties

Limitation

❒ Changing machine settings requires Full Control access permission. Members of Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

1 **On the [Start] menu, point to [Settings], and then click [Printers].**

The **[Printers]** window appears.

2 **Click the icon of the machine whose default you want to change.**

3 **On the [File] menu, click [Properties].**

The printer properties dialog box appears.

4 **Make the settings you require, and then click [OK].**

Note

❒ Normally you do not have to change the "Form to Tray Assignment" settings on the **[Device Settings]** tab in the PostScript 3 printer driver.

❒ Settings you make here are used as default for all applications.

Changing the default settings - Default document properties

Limitation

❒ Changing machine settings requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

1 On the [Start] menu, point to [Settings], and then click [Printers].

The **[Printers]** window appears.

2 Click the icon of the machine whose default you want to change.

3 On the [File] menu, click [Document Defaults].

The **[Default]** dialog box appears.

4 Make the settings you require, and then click [OK].

Note

❒ Settings you make here are used as default for all applications.

Making settings from an application

To make settings for a specific application, open the printer properties dialog box from that application. The following example describes how to make settings for the WordPad application that come with Windows NT 4.0.

Note

❒ Actual procedures for opening the printer properties dialog box vary depending on the application. For more information, see the operating instructions that come with the application you are using.

❒ Any setting you make in the following procedure is valid for the current application only.

1 On the [File] menu, click [Print].

The **[Print]** dialog box appears.

2 In the [Name] list, select the machine you want to use, and then click [Properties].

The printer properties dialog box appears.

3 Make the settings you require, and then click [OK].

4 Click [OK] to start printing.

Macintosh - Setting Up for Printing

Making paper settings from an application

1. **Open the file you want to print.**
2. **On the [File] menu, click [Page Setup].**

   The **[AdobePS Page Setup]** dialog box appears.
3. **Make sure the machine you want to use is shown in the [Printer:] box.**

   Note

   ❒ In Mac OS X, this is called **[Format for:]**.

   ❒ If the machine is not shown in the **[Printer:]** box, use the pop-up menu to display a list of available machines.

   Reference

   The actual appearance of Page Setup depends on the application you are using. See the operating instructions that come with the Macintosh for more information.
4. **In the [Paper:] box, select the paper size.**

   Note

   ❒ In Mac OS X, this is called **[Paper Size]**.
5. **Make the settings you require, and then click [OK].**

Setting up for printing from an application

1. **Open the file you want to print.**
2. **On the [File] menu, click [Print].**

   The **[Printer Features]** dialog box appears.
3. **Make sure the machine is selected in the [Printer:] box.**
4. **Make the settings you require, and then click [Print] to start printing.**

Canceling a Print Job

Windows - Canceling a Print Job

1 **Double-click the printer icon on the Windows taskbar.**

A window appears, showing all print jobs currently queued for printing. Check the current status of the job you want to cancel.

2 **Select the name of the job you want to cancel.**

3 **On the [Document] menu, click [Cancel Printing].**

Note

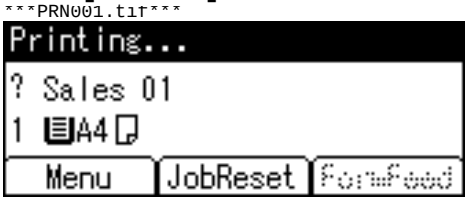
❒ In Windows 2000/XP, Windows Server 2003, and Windows NT, click **[cancel]** on the **[Document]** menu.

❒ In Windows 95/98/Me/2000/XP, Windows Server 2003, or NT 4.0, you can also open the print job queue window by double-clicking the machine icon in the **[Printers]** machine window (the **[Printers and Faxes]** window under Windows XP and Windows Server 2003).

4 **Press the 【Printer】 key.**

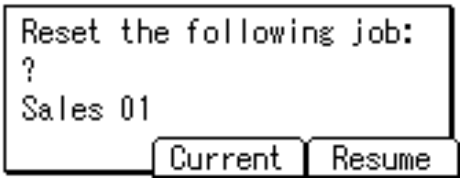
5 **Press [JobReset].**

PRN001.tif



6 **Press [Current].**

PRN002.tif

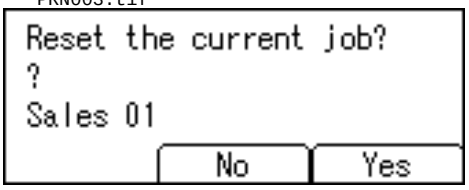


- **[Current]**: cancels the print job currently being processed.
- **[Resume]**: resumes printing jobs.

A confirmation message appears.

7 **Press [Yes] to cancel the print job.**

PRN003.tif



Note

❒ Press **[No]** to return to the previous display.

Important

❒ If the machine is shared by multiple computers, be careful not to accidentally cancel someone else's print job.

Note

❒ You cannot stop printing data that has already been processed. For this reason, printing may continue for a few pages after you press **[JobReset]**.

❒ A print job containing a large volume of data may take considerable time to stop.

Macintosh - Canceling a Print Job

Mac OS

1. **Double-click the printer icon on the desktop.**

   A window appears, showing all print jobs currently queued for printing. Check the current status of the job you want to cancel.

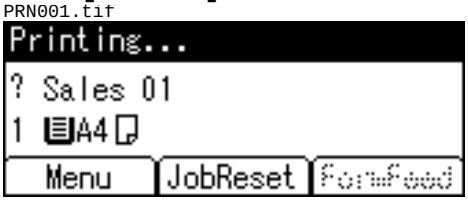
2. **Select the name of the job you want to cancel.**

3. **Click the pause icon, and then click the trash icon.**

4. **Press the [Printer] key.**

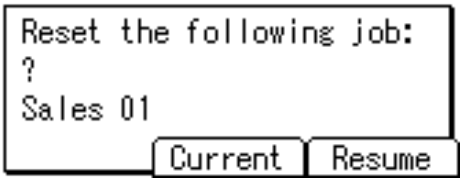
5. **Press [JobReset].**

PRN001.tif



6. **Press [Current].**

PRN002.tif

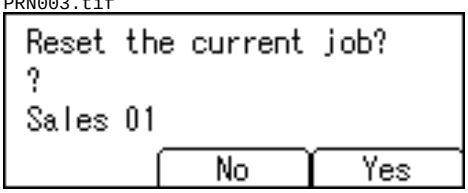


- **[Current]**: cancels the print job currently being processed.
- **[Resume]**: resumes printing jobs.

A confirmation message appears.

7. **Press [Yes] to cancel the print job.**

PRN003.tif



Note

❒ Press **[No]** to return to the previous display.

Important

❒ If the machine is shared by multiple computers, be careful not to accidentally cancel someone else's print job.

Note

❒ You cannot stop printing data that has already been processed. For this reason, printing may continue for a few pages after you press **[JobReset]**.

❒ A print job containing a large volume of data may take considerable time to stop.

Mac OS X

1. **Start [Print Center].**

   The **[Printer List]** window appears.

2. **Double-Click the machine in use.**

   The printer dialog appears.

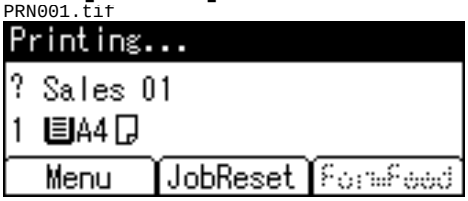
3. **Click the print job you want to delete.**

4. **Click [Delete].**

5. **Press the [Printer] key.**

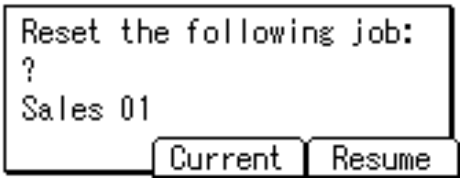
6. **Press [JobReset].**

PRN001.tif



7 **Press [Current].**

PRN002.tif

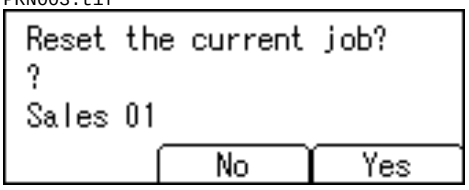


- **[Current]**: cancels the print job currently being processed.
- **[Resume]**: resumes printing jobs.

A confirmation message appears.

8 **Press [Yes] to cancel the print job.**

PRN003.tif



Note

❒ Press **[No]** to return to the previous display.

Important

❒ If the machine is shared by multiple computers, be careful not to accidentally cancel someone else's print job.

Note

❒ You cannot stop printing data that has already been processed. For this reason, printing may continue for a few pages after you press **[JobReset]**.

❒ A print job containing a large volume of data may take considerable time to stop.

Error & Status Messages on the Display

This section describes the principal messages that appear on the display. If a message not described here appears, act according to the message.

Reference

Before turning the main power off, see 'Turning On the Power', *Copy Reference*.

❖ Status messages

Message	Status
Hex Dump Mode	In Hex Dump mode, the machine prints received data in hexadecimal format. After printing, turn off the machine and then back on again. Hex Dump mode is used for advanced troubleshooting.
Offline	The machine is offline. To start printing, switch the machine online by pressing 【Online】 on the control panel.
Printing...	The machine is printing. Wait a while.
Ready	This is the default ready message. The machine is ready for use. No action is required.
Resetting Job...	The machine is resetting the print job. Wait until "Ready" appears on the display.
Setting change...	The machine settings are being changed. Wait a while.
Waiting...	The machine is waiting for the next data to print. Wait a while.

❖ Alert messages

Messages/Second messages	Causes	Solutions
Add toner Out of toner. Follow instructions inside and replace toner.	Toner is running out.	It is time to supply toner.
Change Tray # to the following setings: xxx yyy	The settings of the selected paper tray are different from those specified for printing. # indicates the tray number. xxx indicates the tray number. yyy indicates the paper size.	Press **[JobReset]** to change the paper tray settings, or press **[FormFeed]** to print regardless. For details about the paper tray settings, see *General Settings Guide*.
Connect failed:IEEE802.11b Turn power off, check card	The IEEE 802.11b card may have come off, or an error may have occurred in the IEEE 802.11b card.	Turn off the main power switch, and check the card is installed correctly. If the message appears again, contact your sales or service representative.
Collate cancelled.	The collate print function has been canceled.	Turn off the main power switch, and back on again. If the message appears again, contact your sales or service representative.
Collate: Page max.	The maximum number of pages has been exceeded for collation.	Turn off the main power switch, and back on again. Reduce the number of pages to be printed. Or, increase memory capacity. When installing a memory module in the machine, contact your sales or service representative.
Cover Open Cover is open as shown. Close it.	The cover indicated on the display is open.	Close the cover.
Duplex cancelled.	Duplex printing has been canceled.	Check the paper used is suitable for duplex printing. Or, increase memory capacity. When installing a memory module in the machine, contact your sales or service representative.
Duplex mode is in off position for Tray #	The selected paper tray has not been configured for duplex printing. # indicates the tray number.	Press **[JobReset]** to change the paper tray settings or do single-sided printing. For details about the tray settings, see *General Settings Guide*.

Messages/Second messages	Causes	Solutions
Ethernet Board Error	An error has occurred in the Ethernet interface.	Turn off the main power switch, and back on again. If the message appears again, contact your sales or service representative.
Exceeded max. print size. Press FormFeed/JobReset	The page images to be printed exceed the maximum print area.	Press **[JobReset]** to change the paper tray settings, or press **[FormFeed]** to print regardless.
I/O buffer overflow.	The maximum size of the I/O buffer has been exceeded.	Increase the size of the I/O buffer through the Host Interface menu.
Load paper in Tray #	There is no paper in the selected paper tray. # indicates the tray number.	Load the tray with paper.
NV-RAM Error	An error has occurred in the printer.	Turn off the main power switch, and back on again. If the message appears again, call your sales or service representative.
Paper in Duplex Unit. Open cover and remove the paper.	There is a misfeed in the duplex unit.	Open the cover of the duplex unit, and remove the misfed paper.
Paper size/type mismatch. Change settings to: xxx yyy	There is no paper tray that matches the paper settings selected under Auto Tray Select. xxx indicates the tray number. yyy indicates the paper size and the paper type.	Press **[JobReset]** to change the paper tray settings, or press **[FormFeed]** to print regardless. For details about the paper tray settings, see *General Settings Guide*.
Parallel I/F Error	An error has occurred in the parallel interface board.	Contact your sales or service representative.
Printer Font Error	An error has occurred in the font file.	Turn off the main power switch, and back on again. If the message appears again, call your sales or service representative.
Print overrun.	The image data has been thinned out due to image compression.	Increase memory capacity. When installing a memory module in the machine, contact your sales or service representative.
Problem:IEEE1394 board	An error may have occurred in the IEEE 1394 board.	Turn off the main power switch, and back on again. If the message appears again, contact your sales or service representative.
Problem:IEEE802.11b card	An error may have occurred in the IEEE 802.11b card.	
Problem:IEEE802.11b board	An error may have occurred in the IEEE 802.11b board.	

Messages/Second messages	Causes	Solutions
Paper Tray is in use.	The specified paper tray is in use by another function, such as the copier function.	Wait until the other function has finished using the specified paper tray.
Toner is almost empty Add toner	The toner has almost run out.	Replace the toner cartridge soon to prevent poor print quality.
Tray # Error	An error has occurred with the paper tray. # indicates the tray number.	Press **[JobReset]** to change the paper tray settings, or press **[FormFeed]** to select another paper tray and print using that.
Unauthorized user access.	Print job canceled due to user restrictions.	Check the User Code permission status.
USB Error	An error has occurred in the USB interface.	Turn off the main power switch, and back on again. If the message appears again, contact your sales or service representative.

The Machine Does Not Print

Possible Cause	Solutions
Is the power on?	Check the cable is securely plugged into the power outlet and the machine. Turn on the main power switch.
Is the machine online?	If not, press **【↦Online】** on the control panel.
Does the Printer key stay red?	If so, check the error message on the display and take required action.
Is there a warning status or error message on the display?	If so, check the error message or warning status on the display and take the required action.
Can you print a configuration page?	If you cannot print a configuration page, there maybe a machine malfunction. Contact your sales or service representative. See p.26 "Printing the configuration page" for printing a configuration page.
Is the interface cable connected securely to the machine and computer?	Connect the interface cable securely. If it has a fastener, fasten that securely as well. See "Connecting the Machine", *Printer Reference 1*.
Are you using the correct interface cable?	The type of interface cable you should use depends on the computer. Be sure to use the correct one. If the cable is damaged or worn, replace it. See "Connecting the Machine", *Printer Reference 1*.
Was the interface cable connected after the machine was turned on?	Connect the interface cable *before* turning on the machine.
Is the signal status satisfactory when using wireless LAN in infrastructure mode ?	To check signal status, press the **【User Tools/Counter】** key, and then select **[System Settings]** using **【▲】** or **【▼】**. On the **[Interface Settings]**, select **[IEEE 802.11b]**, and then select **[Wireless LAN Signal]** using **【▲】**or **【▼】**. If signal quality is poor, remove objects that might cause interference. **Note** ❒ You can check signal status only when using wireless LAN in infrastructure mode.
When using wireless LAN, is the SSID correctly set?	Check using the machine's control panel that the SSID is correctly set. See "Interface Settings/IEEE 802.11b (Option)", *Network Guide*.
When using wireless LAN, is the access point correctly set?	Check access point settings when in infrastructure mode. Depending on the access point, client access may be limited by MAC address. Also, check there are no problems in transmission between access point and wired clients, and between access point and wireless clients.

Possible Cause	Solutions
When using wireless LAN, is the LED on the wireless LAN card lit or blinking?	Confirm the orange LED is lit, and the green LED is lit or blinks during transmission.
Is the wireless LAN being used in ad hoc mode?	Turn the main power off and back on. See "Turning On the Power", *Copy Reference*. Otherwise, configure **[IEEE 802.11b]** in **[Interface Settings]** in **[System Settings]**. See "Setting Up the Machine on a Network", *Network Guide*.
Did you change the option settings on the machine?	When using the RPCS™ printer driver on Windows 2000/XP or Windows Server 2003 and connecting with IEEE 1394, an error may occur if you change the option settings on the machine. In this case, follow the procedure below: ① Unplug the IEEE 1394 interface cables connected to the computer. ② Run the utility tool for the IEEE 1394 interface board, which is stored in the following path on the CD-ROM "Printer Drivers and Utilities". **\UTILITY\1394** **Reference** For more information about using the utility tool for IEEE 1394, see the README file in the same directory on the CD-ROM. ③ Restart the computer. ④ Connect the computer to the machine using the IEEE 1394 interface cables.

Problem	Solutions
Is the **Data In** indicator blinking or lit after starting the print job?	If not, data is not being sent to the machine. ❖ **When the machine is connected to the computer using the interface cable** Check the machine port settings are correct. For parallel port connection, port LPT1 or LPT2 should be set. • **Windows 95/98/Me** ① Click the **[Start]** button, point to **[Settings]**, and then click **[Printers]**. ② Click the icon of the machine. On the **[File]** menu, click **[Properties]**. ③ Click the **[Details]** tab. ④ In the **[Print to the following port:]** list, confirm the correct port is selected. • **Windows 2000** ① Click the **[Start]** button, point to **[Settings]**, and then click **[Printers]**. ② Click the icon of the machine. On the **[File]** menu, click **[Properties]**. ③ Click the **[Ports]** tab. ④ In the **[Print to the following port(s)]** list, confirm the correct port is selected. • **Windows XP Professional and Windows Server 2003** ① Click the **[Start]** button, and then click **[Printers and Faxes]**. ② Click the icon of the machine. On the **[File]** menu, click **[Properties]**. ③ Click the **[Ports]** tab. ④ In the **[Print to the following port(s)]** list, confirm the correct port is selected. • **Windows XP Home Edition** ① Click the **[Start]** button, click **[Control Panel]**, click **[Printers and Other Hardware]**, and then click **[Printers and Faxes]**. ② Click the icon of the machine. On the **[File]** menu, click **[Properties]**. ③ Click the **[Ports]** tab. ④ In the **[Print to the following port(s)]** list, confirm the correct port is selected. • **Windows NT 4.0** ① Click the **[Start]** button, point to **[Settings]**, and then click **[Printers]**. ② Click the icon of the machine. On the **[File]** menu, click **[Properties]**. ③ Click the **[Ports]** tab. ④ In the **[Print to the following port(s)]** list, confirm the correct port is selected.

Problem	Solutions
Is the **Data In** indicator blinking or lit after starting the print job?	❖ **Network connection** Contact your network administrator.

Other Printing Problems

Problem	Causes and Solutions
The print on the entire page is faded.	If **[Toner Saving]** is selected on the **[Print Quality]** tab in the printer driver, the entire page will be faded when printed. **Note** ❒ In PostScript 3, click **[Advanced...]** on the **[Paper/Quality]** tab, and then select **[Toner Saving 1]** or **[Toner Saving 2]** in **[Print Mode]** in the **[Advanced]** dialog box. See the printer driver Help.
Smudged print.	Settings for thick paper have not been made when printing on thick paper. • PCL 6/5e and PostScript 3 Select **[Thick]** in the **[Type:]** list on the **[Paper]** tab. • RPCS™ Select **[Thick]** in the **[Paper type:]** list on the **[Print Settings]** tab.
When printing graphics, the output and the screen are different.	If the printer driver is configured to use the graphics command, the graphics command from the machine is used to print. If you want to print accurately, set the printer driver to print without using the graphics command. See the printer driver Help.
Page layout is not as expected.	Print areas differ depending on machine used. Information that fits on a single page on one machine may not fit on a single page of another machine. Adjust the **[Printable area:]** setting in the **[Printer Configuration...]** dialog box on the **[Print Settings]** tab in the RPCS™ printer driver. See the printer driver Help.
Duplex printing is not possible.	• Duplex printing cannot be done with paper set in the bypass tray. When using duplex printing, make settings to use paper from a tray other than the bypass tray. • Duplex printing cannot be done with thick paper, OHP transparencies, or labels specified as the paper type. Specify another paper type. • Duplex printing cannot be done using a tray for which **[Duplex]** is not selected as the paper type in **[Tray Paper Settings]** in **[System Settings]**. Select **[Duplex]** as the paper type in **[Tray Paper Settings]**. See *General Settings Guide*.

Problem	Causes and Solutions
When using Windows 95/98/Me, Windows 2000/XP, or Windows NT 4.0, either combined printing or booklet print does not come out as expected.	Make sure the application's paper size and orientation settings match those of the printer driver. If a different paper size and orientation are set, select the same size and orientation.
When using Windows 95/98/Me, Windows 2000/XP, or Windows NT 4.0, Auto Reduce/Enlarge print does not come out as expected.	
A print instruction was issued from the computer, but printing did not start.	User code management may have been set. Ask the administrator about valid user codes. To print, the user code must be entered from the printer driver.
The print job is not canceled even when the machine is switched to offline status.	Even when the machine is offline, printing is performed when **[Job Acceptance Priority]** is selected for **[Signal Control]** in **[Parallel Interface]** in **[Interface Settings]** in **[System Settings]**. Select **[Printer Priority]** for **[Signal Control]**. See "User Tools (System Settings)", *General Settings Guide*.
Photo images are coarse.	Some applications reduce print resolution.
Images are cut off, or excess is printed.	You may be using paper smaller than the size selected in the application. Use the same size paper as that selected in the application. If you cannot load paper of the correct size, use the reduction function to reduce the image, and then print. See the printer driver Help.

Problem	Causes and Solutions
It takes a long time to complete a print job.	Photographs and other data intensive pages take a long time for the machine to process, so simply wait when printing such data. Changing the following settings with the printer driver may help speed up printing: • PCL 6/5e Select the lowest value for **[Resolution]** on the **[Print Quality]** tab in the printer properties dialog box. **Note** ❒ Under Windows 2000/XP, select the lowest value for **[Resolution]** on the **[Print Quality]** tab in the **[Printing Preferences]** dialog box. ❒ Under Windows NT 4.0, select the lowest value for **[Resolution]** on the **[Print Quality]** tab in the **[Document Defaults...]** dialog box. • PostScript 3 Select the lowest value for **[Resolution]** on the **[Print Quality]** tab in the printer properties dialog box. Select **[PostScript (optimize for speed)]**for **[PostScript output format:]** on the **[PostScript]** tab in the printer properties dialog box. **Note** ❒ Under Windows 2000/XP, click **[Advanced...]** on the **[Paper/Quality]** tab in the **[Printing Preferences]** dialog box, and then select **[PostScript output options : optimize for speed]** for **[PostScript Options]** in the **[Advanced...]** dialog box. ❒ Under Windows NT 4.0, click **[Advanced...]** in the **[Document Defaults]** dialog box, and then select **[PostScript output options : optimize for speed]** for **[PostScript Options]** in the **[Advanced...]** dialog box. • RPCS™ Click **[Change User Settings...]** on the **[Print Quality]** tab in the printer properties dialog box, and then select the lowest value for **[Resolution:]** on the **[Image Adjustments]** tab in the **[Change User Settings...]** dialog box. Select **[Fast]** in the **[Document type]** list on the **[Print Quality]** tab in the printer properties dialog box. **Note** ❒ Under Windows 2000/XP, click **[Change User Settings...]** on the **[Print Quality]** tab in the **[Printing Preferences]** dialog box, and then select the lowest value for **[Resolution:]** on the **[Image Adjustments]** tab in the **[Change User Settings...]** dialog box. Select **[Fast]** in the **[Document type]** area on the **[Print Quality]** tab in the **[Printing Preferences]** dialog box. ❒ Under Windows NT 4.0, click **[Change User Settings...]** on the **[Print Quality]** tab in the **[Document Defaults]** dialog box, and then select the lowest value for **[Resolution:]** on the **[Image Adjustments]** tab in the **[Change User Settings...]** dialog box. Select **[Fast]** in the **[Document type]** area on the **[Print Quality]** tab in the **[Document Defaults]** dialog box. See the printer driver Help.
	The data is so large or complex that it takes time to process. If the **Data In** indicator is blinking, data is being processed. Simply wait until printing resumes.

Problem	Causes and Solutions
It takes too much time to resume printing.	The data is so large or complex that it takes time to process. If the **Data In** indicator is blinking, data is being processed. Simply wait until printing resumes.
	The machine was in Energy Saver mode. To resume from Energy Saver mode, it has to warm up, and this takes time. See *General Settings Guide*.
Paper is not fed from the selected tray.	When you are using a Windows operating system, printer driver settings override those set using the control panel. Set the desired input tray using the printer driver. See the printer driver Help.
Optional components connected to the machine are not recognized when using Windows 95/98/Me, Windows 2000/XP, and Windows NT 4.0.	You have to configure the option setup in printer properties when bidirectional transmission is not enabled. See the printer driver Help.
Images are printed in the wrong orientation.	The feed orientation you selected and the feed orientation selected in the printer driver's option setup might not be the same. Set the machine's feed orientation and the printer driver's feed orientation accordingly. See the printer driver Help.
The printed image is different from the image on the computer's display.	With certain functions, such as enlargement and reduction, image layout might be different to that on the computer display.
	You might have selected to replace True Type fonts with machine fonts in the printing process. To print an image similar to that of the computer display, make settings to print True Type fonts as an image. See the printer driver Help.
No transmission when using 1394 interface connection	Check using the following procedure: ① Confirm the IEEE 1394 interface cable is connected securely. ② Restart the computer. If the error occurs even after executing the above operation, proceed to the following steps. ③ Unplug the IEEE 1394 interface cable connected to the computer. ④ Run the utility tool for the IEEE 1394 interface board, which is stored in the following path on the CD-ROM "Printer Drivers and Utilities": **\UTILITY\1394** **Reference** For more information about using the utility tool for IEEE 1394, see the README file in the same directory on the CD-ROM. ⑤ Restart the computer.

Note

❒ If the problem cannot be solved, contact your sales or service representative.

Reference

For more information about copier features and system settings, see *Copy Reference* and *General Settings Guide*.

Printer Features Menu

There are seven menu items in the Printer Features menu:

- Paper Input
- List/Test Print
- Maintenance
- System
- Host Interface
- PCL Menu
- PS Menu

You can select the functions in the following table:

Menu	Default
Paper Input See p.26 “Paper Input”.	Bypass Paper Size
List/Test Print See p.26 “List/Test Print”.	Multiple Lists
	Config. Page
	Error Log
	Menu List
	PCL Config./Font Page
	PS Config./Font Page
	Hex Dump
Maintenance See p.29 “Maintenance”.	Menu Protect

Menu	Default
System See p.31 “System”.	Print Error Report
	Auto Continue
	Memory Overflow
	Memory Usage
	Duplex
	Copies
	Edge Smoothing
	Toner Saving
	Printer Language
	Sub Paper Size
	Page Size
	Letterhead Setting
	Edge-Edge Print
	Default Printer Lang.
Host Interface See p.33 “Host Interface”.	I/O Buffer
	I/O Timeout
PCL Menu See p.33 “PCL Menu”.	Orientation
	Form Lines
	Font Source
	Font Number
	Point Size
	Font Pitch
	Symbol Set
	Courier Font
	Ext. A4 Width
	Append CR to LF
	Resolution
PS Menu See p.35 “PS Menu”.	Data Format
	Resolution

Adjusting Printer Features

Printer Features allows basic adjustment of operations when using the machine as a printer.

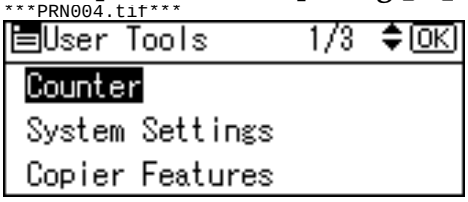
Although factory default settings are suitable for most printing jobs, Printer Features gives you access to a number of settings that control basic printer operations. Printer Features settings you make are retained even when you turn off the machine.

For more information about copier features and system settings, see *Copy Reference* and *General Settings Guide*.

1 **Press the【User Tools/Counter】key.**

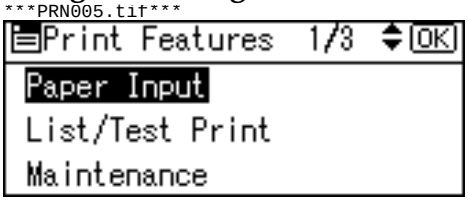
2 **Select [Printer Features] using【▲】or【▼】, and then press the【OK】key.**

PRN004.tif



3 **Select the desired item using【▲】or【▼】, press the【OK】key, and then change its settings.**

PRN005.tif



Note

❒ **[OK]**: Press to make new settings and go back to previous menus.

❒ **[Cancel]**: Press to return to a previous menu without changing any setting.

4 **After changing the Printer Features settings, press the【User Tools/Counter】key.**

Note

❒ Changes made to functions remain in effect even if the machine is turned off.

Printer Features Parameters

Paper Input

❖ **Bypass Paper Size**
The size of the paper set in the bypass tray.

Reference
For more information about paper sizes that can be set in the bypass tray, see *General Settings Guide*.

For information about setting paper in the bypass tray, see *Printer Reference 1*.

Note
❒ Default:
- Metric version: A4
- Inch version: $8^1/_2 \times 11$

List/Test Print

❖ **Multiple Lists**
You can print the configuration page and the error log.

❖ **Config. Page**
You can print the machine's current configuration values.

❖ **Error Log**
You can print the error log.

❖ **Menu List**
You can print a Menu List showing the machine's function menus.

❖ **PCL Config./Font Page**
You can print the current configuration of installed PCL fonts.

❖ **PS Config./Font Page**
You can print the current configuration of installed PostScript fonts.

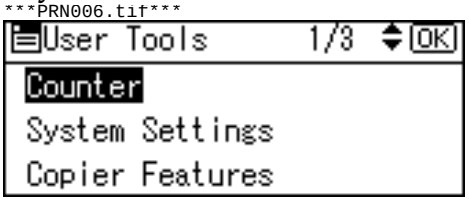
❖ **Hex Dump**
You can print the Hex Dump.

Printing the configuration page

1 **Press the 【User Tools/Counter】 key.**
The User Tools main menu appears.

2 **Select [Printer Features] using 【▲】 or 【▼】, and then press the 【OK】 key.**

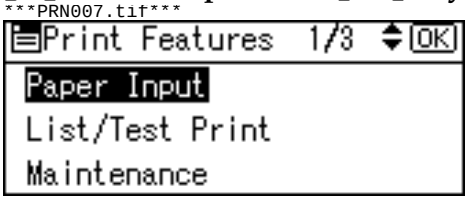
PRN006.tif



The Printer Features menu appears.

3 **Select [List/Test Print] using 【▲】 or 【▼】, and then press the 【OK】 key.**

PRN007.tif



4 **Select [Config. Page] using 【▲】 or 【▼】, and then press the 【OK】 key.**

PRN008.tif

The configuration page is printed.

Interpreting the configuration page

System Reference

❖ **Unit Number**
Displays the serial number assigned to the board by its manufacturer.

❖ **Total Memory**
Displays the total amount of memory (SDRAM) installed on the printer.

❖ **Firmware Version**

- Printer
  Displays the version number of the printer firmware.
- System
  Displays the version number of the system firmware.
- Engine
  Displays the version number of the printer engine.
- NIB
  Displays the version number of the Network interface.

❖ **Controller Option**
This item(s) appears when the controller option(s) is installed.

❖ **Printer Language**
Displays the version number of the printer driver language.

❖ **Options**
Displays the optional trays installed.

Paper Input

Displays the settings made under the Paper Input menu.

Reference
p.26 “Paper Input”

System

Displays the settings made under the System menu.

Reference
p.31 “System”

PCL Menu

Displays the settings made under PCL Menu.

Reference
p.33 “PCL Menu”

PS Menu

Displays the settings made under PS Menu.

Reference
p.35 “PS Menu”

Host Interface

Displays the settings made under the Host Interface menu.

When DHCP is active on the network, the actual IP address, subnet mask and gateway address appear in parentheses on the configuration page.

Reference
p.33 “Host Interface”

Interface Information

Displays the interface information.

Maintenance

❖ **Menu Protect**

This procedure lets you protect menu settings from accidental change. It makes it impossible to change menu settings with normal procedures unless you perform the required key operations. In a network environment, only administrators can make changes to menu settings.

- Level 1
  You can protect "Maintenance", "System", "Host Interface" and "PCL Menu".
- Level 2
  You can protect "Paper Input", "Maintenance", "System", "Host Interface" and "PCL Menu".
- Off

Note

❒ Default: *Off*

❒ You can also protect menu settings using a Web browser.

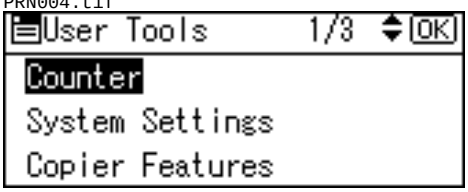
Setting Menu Protect

1 **Press the [User Tools/Counter] key.**

The User Tools main menu appears.

2 **Select [Printer Features] using [▲] or [▼], and then press the [OK] key.**

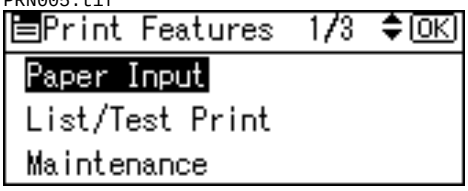
PRN004.tif



The Printer Features menu appears.

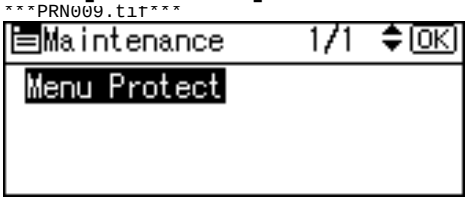
3 **Select [Maintenance] using [▲] or [▼], and then press the [OK] key.**

PRN005.tif



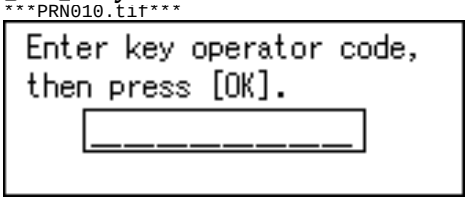
4 **Press [Menu Protect].**

PRN009.tif



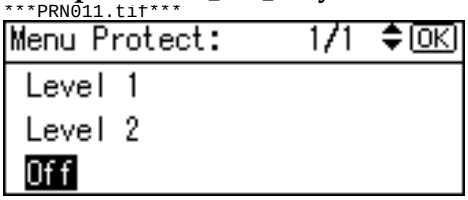
5 **Enter an access code using the number keys, and then press the [OK] key.**

PRN010.tif



6 **Select a menu protect level, and then press the [OK] key.**

PRN011.tif

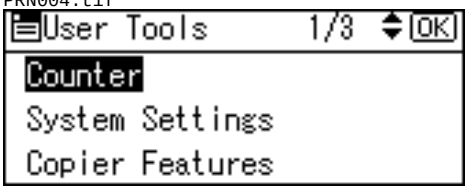


7 **Press the [User Tools/Counter] key.**

Canceling Menu Protect

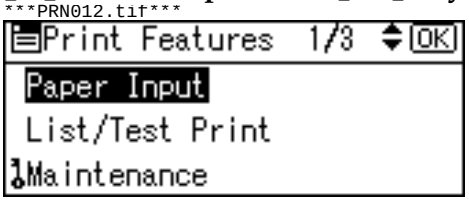
1. Press the 【User Tools/Counter】 key.
2. Select [Printer Features] using 【▲】 or 【▼】, and then press the 【OK】 key.

PRN004.tif



3. Select [Maintenance] using 【▲】 or 【▼】, and then press the 【OK】 key.

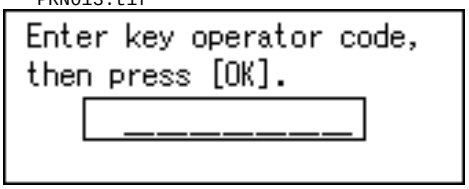
PRN012.tif



A screen for entering the access codes appears.

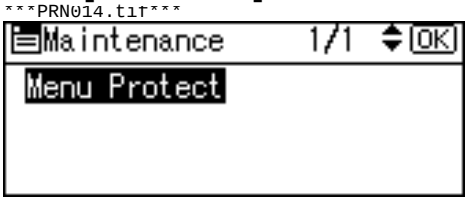
4. Enter an access code using the number keys, and then press the 【OK】 key.

PRN013.tif



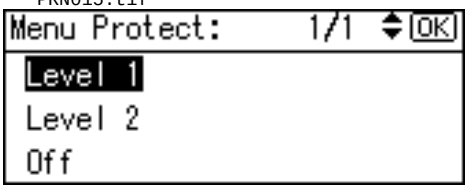
5. Press [Menu Protect].

PRN014.tif



6. Select [Off], and then press the 【OK】 key.

PRN015.tif



7. Press the 【User Tools/Counter】 key.

Temporarily canceling Menu Protect

When you select protected items in Printer Features, a screen for entering the access codes appears. When this happens, enter the correct access codes using the number keys, and then press the 【OK】 key. Menu Protect is then temporarily canceled.

Note

❒ If you enter the correct access codes, Menu Protect remains canceled while the Printer Features menu is displayed.

System

❖ **Print Error Report**
Select this to have an error report printed when a printer or memory error occurs.

- On
- Off

Note
❒ Default: *Off*

❖ **Auto Continue**
You can select this to enable Auto Continue. When it is On, printing continues after a system error occurs.

- Off
- 0 minutes
- 1 minute
- 5 minutes
- 10 minutes
- 15 minutes

Note
❒ Default: *Off*

❖ **Memory Overflow**
Select this to have a memory overflow error report printed.

- Not Print
- Error Report

Note
❒ Default: *Not Print*

❖ **Memory Usage**
You can select the amount of memory used in Font Priority or Frame Priority, according to paper size or resolution.

- Font Priority
  This setting uses memory for registering fonts.
- Frame Priority
  This setting uses frame memory for high speed printing.

Note
❒ Default: *Frame Priority*

❖ **Duplex**
You can select to have print on both sides of each page.

- Off
- Long Edge Bind
- Short Edge Bind

Note
❒ Default: *Off*

❖ **Copies**
You can specify the number of print sets. This setting is disabled if the number of pages to print has been specified with the printer driver or another command.

- 1 to 999 by 1

Note
❒ Default: 1

❖ **Edge Smoothing**
Set this to enable Edge Smoothing.

- On
- Off

Note
❒ Default: *On*
❒ If Toner Saving is set to On, Edge Smoothing is ignored even if it is set to On.

❖ **Toner Saving**
Set this to enable Toner Saving.

- On
- Off

Note
❒ Default: *Off*

❖ Printer Language

Normally, the machine should be set to Auto. If the printer language cannot be detected in Auto, the language specified by Default Printer Lang. is selected.

- Auto
- PCL
- PS

Note

❒ Default: *Auto*

❖ Sub Paper Size

You can enable the Auto Substitute Paper Size (A4↔LT) feature.

- Auto
- Off

Note

❒ Default: *Off*

❖ Page Size

You can select the default paper size.

- $8^1/_2 \times 14$ *1
- $8^1/_2 \times 11$
- $5^1/_2 \times 8^1/_2$
- $7^1/_4 \times 10^1/_2$
- 8×13
- $8^1/_2 \times 13$ *1
- $8^1/_4 \times 13$ *1
- A4
- B5 JIS
- A5
- 16K
- $4^1/_8 \times 9^1/_2$
- $3^7/_8 \times 7^1/_2$
- C5 Env.
- C6 Env.
- DL Env.
- Custom Size

*1 Appears when the optional paper tray unit is installed.

Note

❒ Default:

- Metric version: A4
- Inch version: $8^1/_2 \times 11$

❖ Letterhead Setting

You can select letterhead printing. If selected, the last sheet of a duplex print job is printed on both sides - if the job has an odd number of pages.

When printing, original images are always rotated by 180 degrees. Therefore, output might not be as expected when printing onto letterhead or preprinted paper requiring orientation. Using this function, you can specify image rotation.

- Off
- Auto Detect
- On (Always)

Note

❒ Default: *Off*

❒ When set to Off, original images are rotated by 180 degrees.

❒ When set to Auto Detect, specifying the paper type with the printer driver allows the machine to detect letterhead or preprinted paper automatically, and print without rotation.

❒ When set to On (Always), the machine does not rotate.

❒ This function reduces printing speed.

❖ **Edge-Edge Print**
Select this to maximize the printable area by minimizing the white space along the edges, to approximately 0.04 inches (1 mm).

- Off
- On

Note
❒ Default: *Off*

❖ **Default Printer Lang.**
You can set the default printer language if the machine cannot find the printer language automatically.

- PCL
- PS

Note
❒ Default: *PCL*

Host Interface

❖ **I/O Buffer**
You can set the size of the I/O Buffer. Normally it is not necessary to change this setting.

- 128 KB
- 256 KB
- 512 KB

Note
❒ Default: *128 KB*

❖ **I/O Timeout**
You can set how many seconds the machine should wait before ending a print job. If data from another port usually arrives in the middle of a print job, you should increase this timeout period.

- 10 seconds
- 15 seconds
- 20 seconds
- 25 seconds
- 60 seconds

Note
❒ Default: *15 seconds*

PCL Menu

❖ **Orientation**
You can set the page orientation.

- Portrait
- Landscape

Note
❒ Default: *Portrait*

❖ **Form Lines**
You can set the number of lines per page.

- 5 to 128 by 1

Note
❒ Default:
  - Metric version: 64
  - Inch version: 60

❖ **Font Source**
You can set the storage location of the default font.

- Resident
- RAM
- Slot DIMM

Note
❒ Default: *Resident*
❒ **[RAM]** can be selected only when fonts have been downloaded to the machine.
❒ **[Slot DIMM]** can be selected only when the optional slot DIMM is installed.

❖ **Font Number**

You can set the ID of the default font you want to use.

- 0 to 50 by 1

Note

❒ Default: 0

❖ **Point Size**

You can set the point size you want to use for the selected font.

- 4.00 to 999.75 by 0.25

Note

❒ Default: 12.00

❒ This setting is effective only with variable-space fonts.

❖ **Font Pitch**

You can set the number of characters per inch for the selected font.

- 0.44 to 99.99 by 0.01

Note

❒ Default: 10.00

❒ This setting is effective only with fixed-space fonts.

❖ **Symbol Set**

You can specify the set of print characters for the selected font. The available options are as follows:
Roman-8, ISO L1, ISO L2, ISO L5, PC-8, PC-8 D/N, PC-850, PC-852, PC8-TK, Win L1, Win L2, Win L5, Desktop, PS Text, VN Intl, VN US, MS Publ, Math-8, PS Math, VN Math, Pifont, Legal, ISO 4, ISO 6, ISO 11, ISO 15, ISO 17, ISO 21, ISO 60, ISO 69, Win 3.0

Note

❒ Default: *Roman-8*

❖ **Courier Font**

You can select a courier font type.

- Regular
- Dark

Note

❒ Default: *Regular*

❖ **Ext. A4 Width**

You can extend the printing area width (when printing on A4 sheet with PCL).

- Off
- On

Note

❒ Default: *Off*

❒ When the setting is On, the width will be 8½ inches.

❖ **Append CR to LF**

By connecting to a host operating system such as UNIX and setting this to on, a carriage return follows each line feed: CR=CR, LF=CR-LF, FF=CR-FF.

- Off
- On

Note

❒ Default: *Off*

❖ **Resolution**

You can set the print resolution in dots per inch.

- 300 dpi
- 600 dpi

Note

❒ Default: *600 dpi*

PS Menu

❖ Data Format

You can select a data format.

- Binary
- TBCP

Limitation

❒ This setting is not effective when operating the machine with a parallel, USB, or EtherTalk connection.

❒ When operating the machine with a parallel or USB connection, if binary data is sent from the printer driver, the print job is canceled.

❒ When operating the machine with an Ethernet connection, the print job is canceled under the following conditions;

- The printer driver data format is TBCP, and the data format selected on the display panel is Binary.
- The printer driver data format is binary, and the data format selected on the display panel is TBCP.

Note

❒ Default: *Binary*

❖ Resolution

You can set the print resolution in dots per inch.

- 300 dpi
- 600 dpi

Note

❒ Default: *600 dpi*

Collate

If you select the collate function on the printer driver, the machine will store print data in memory and automatically collate the printouts.

The collate function can be turned on or off from the printer driver.

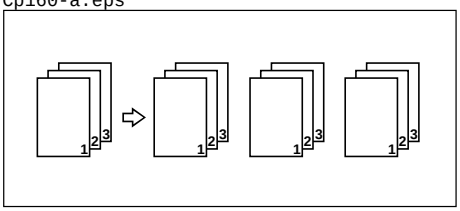
Limitation

❒ You cannot use the bypass tray with this function.

❖ Collate

Outputs can be assembled as sets in sequential order.

Cp160-a.eps



CP160-a

User Defined Pages

Using this function, you can specify the page numbers for each input tray.

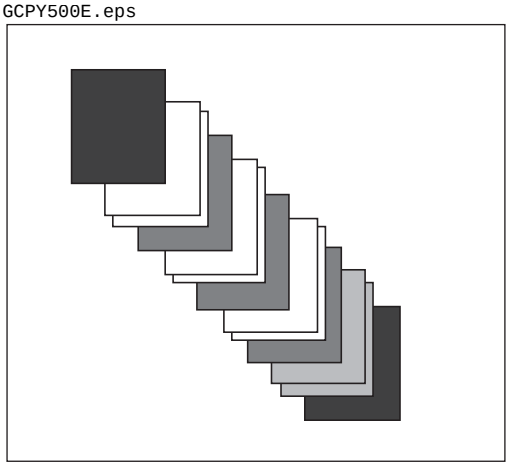
Reference

For printing methods, see the printer driver Help.

Limitation

- ❒ This function is available with the PCL printer driver only.
- ❒ If **[User Defined Pages]** in **[Paper Selection:]** is selected on the **[Paper]** tab, **[Layout:]** cannot be selected.

GCPY500E.eps



GCPY500E

System Settings (Parallel Connection)

Interface Settings/Parallel Interface

❖ Parallel Timing

Specifies the timing for the parallel interface. Normally, you do not need to change this setting.

- ACK inside
- ACK outside
- STB down

Note

❒ Default: *ACK outside*

❖ Parallel Comm. Speed

Specifies the communication speed of the parallel interface. If the speed is too high, data may not be transferred smoothly. If this happens, change the setting to "Standard".

- High Speed
- Standard

Note

❒ Default: *High Speed*

❖ Selection Signal Status

Specifies the signal level of the parallel interface.

- High
- Low

Note

❒ Default: *High*

❖ Input Prime

Specifies whether the prime signal is active or inactive when an input prime signal is sent. Normally, you do not need to change this setting.

- Effective
- Invalid

Note

❒ Default: *Invalid*

❖ Bidirectional Comm.

Specifies, for instance, how a printer connected to the parallel interface responds to a status request. If you experience problems using another manufacturer's printer, set this to Off.

Limitation

❒ If set to Off, asynchronous communication will not work.

- On
- Off

Note

❒ Default: *On*

❖ Signal Control

Specifies how to handle any errors that occur when printing from a computer or sending faxes. Normally, you do not need to change this setting.

- Job Acceptance Priority
- Printer Priority

Note

❒ Default: *Job Acceptance Priority*

Specifications

This section contains the machine's electrical and hardware specifications, including information about its options.

Component	Specifications
Resolution	PCL 6 : 600 dpi PCL 5e: 300 dpi, 600 dpi RPCS™ : 300 dpi, 600 dpi PostScript 3 : 300 dpi, 600 dpi
Interface	Standard: • USB 2.0 interface • Ethernet interface (100BASE-TX/10BASE-T) Option: • IEEE 1394 interface • IEEE 802.11b wireless LAN interface • IEEE 1284 parallel interface • Bluetooth™ interface
Network protocol	TCP/IP, IPX/SPX, NetBEUI [*1] , AppleTalk
Printer language	PCL 6, PCL 5e, RPCS, PostScript 3
Fonts	PCL 6/5e : Agfa Monotype Font Manager 35 Intellifonts, 10 TrueType fonts, and 1 Bitmap font Font Manager available. PostScript 3 : 136 fonts (Type 2:24, Type 14:112)
Memory	192MB
Operating systems supported by this machine	Windows 95/98/Me Windows 2000 Windows XP Windows Server 2003 Windows NT 4.0 Mac OS 8.6 to 9.2 Mac OS X
Required network cable	100BASE-TX/10BASE-T shielded twisted-pair (STP, Category/Type5) cable.

[*1] To use NetBEUI, use the SmartDeviceMonitor port.

Options

Limitation

❒ Only one optional interface can be installed in the machine at a time. Therefore, the optional IEEE 1394 interface board, the optional IEEE 802.11b interface unit (wireless LAN board), the optional IEEE 1284 interface board and the optional Bluetooth interface unit cannot be installed concurrently.

IEEE 1394 Interface Board Type B

❖ **Transmission spec.:**
IEEE 1394

❖ **Interface:**
IEEE std 1394-1995 compliant
IEEE std 1394a-2000 compliant

❖ **Device class:**
SCSI print (Windows 2000, Windows XP, Windows Server 2003)
IP over 1394 (Windows Me, Windows XP, Windows Server 2003)

❖ **Protocol:**
SBP-2 (SCSI print)
TCP/IP (IP over 1394)

❖ **Interface connector:**
IEEE 1394 (6 pin × 2)

❖ **Required cable:**
1394 interface cable (6 pin x 4 pin, 6 pin x 6 pin)

Important

❒ You cannot plug devices together to create loops.

❒ Do not use cable that is more than 4.5 meters in length.

❖ **Data transfer speed:**
Maximum 400 Mbps

❖ **Connectable number of devices on a bus:**
Maximum 63

❖ **Allowed cable hops on a bus:**
Maximum 16

❖ **Power supply:**
Non external power supply
Cable Power repeated (IEEE 1394a-2000 compliant)

IEEE 802.11b Interface Unit Type D

❖ **Transmission spec.:**
Based on IEEE 802.11b (wireless LAN)

❖ **Protocol:**
TCP/IP, NetBEUI, IPX/SPX, AppleTalk

Note
❒ SmartDeviceMonitor and Web browser are supported.

❖ **Data transfer speed:**
Auto select from below speed
1Mbps, 2Mbps, 5.5Mbps, 11Mbps

❖ **Frequency range:**

- Inch version:
  2400-2497 MHz (1-11 channels)
- Metric version:
  2400-2497 MHz (1-13 channels)

❖ **Transmittable distance:**
1Mbps 400 m *1
2Mbps 270 m *1
5.5Mbps 200 m *1
11Mbps 140 m *1

*1 These figures are a guideline for outdoor use. In general, the transmittable distance indoors is 10-100 m, depending on environment.

❖ **Transmission mode:**
802.11 ad hoc, ad hoc, and infrastructure mode

IEEE 1284 Interface Board Type A

❖ **Transmission spec.:**
IEEE 1284

❖ **Required cable**
Standard IEEE 1284 compliant Micro Centronics 36 pin cable

BlueTooth Unit Type 2238

Reference
See the manual that comes with optional Bluetooth interface unit.

INDEX

B

BlueTooth Unit Type 2238, 42

C

Canceling a job
Macintosh, 9
Windows, 8
Configuration page, 26
Control panel
Printer Features, adjusting, 23

D

Data In indicator, 17, 21, 22
Display
error messages, 11

E

Error messages, 11

F

Fonts, 40

H

Host Interface, 33

I

IEEE 1284 Interface Board Type A, 42
IEEE 1394 Interface Board Type B, 41
IEEE 802.11b Interface Unit Type D, 42
Interface, 40

L

List/Test Print, 26

M

Macintosh
canceling a job, 9
setting up, printer driver, 7
Maintenance, 29
Memory, 40

N

Network Cable, 40
Network protocol, 40

O

Operating system, 40
Options, 41

P

Paper Input, 26
PCL Menu, 33
Printer driver
Printer properties, Windows 2000/XP and Windows Server 2003, 4
Printer properties, Windows 95/98/Me, 3
Printer properties, Windows NT 4.0, 5
setting up, Macintosh, 7
Printer Features
adjusting, 25
menu, 23
parameters, 26
Printer Language, 40

R

Resolution, 40

S

Specifications, 40
System, 31

T

Troubleshooting, 11
error messages, 11
machine does not print, 15
other printing problems, 19
status messages, 11

W

Windows
canceling a job, 8
Windows 2000/XP and Windows Server 2003
printer properties, printer driver, 4
Windows 95/98/Me
printer properties, printer driver, 3
Windows NT 4.0
printer properties, printer driver, 5